

11.07.2025

**J.J.College of Arts and Science (Autonomous), Pudukkottai.**

**PG and Research Department of Computer Science and Department of Data Science**

**Report on the Guest Lecture Program: "Modern Software Engineering"**

The PG and Research Department of Computer Science and Department of Data Science, J.J. College of Arts and Science (Autonomous) organized a special lecture titled "Modern Software Engineering " on 11th July 2025 at 10:30 AM.

The programme was open to Undergraduate and postgraduate students from the departments of Computer Science and Data Science.

The event was hosted by the CyberTech Association under the P.G. and Research Department of Computer Science and the Department of Data Science.

The lecture aimed to provide insights into the latest trends and advancements in "Modern Software Engineering", a critical area for students and professionals in the field of Computer Science and Data Science.

Dr. A. Aloysius, Associate Professor, Department of Computer Science, St. Joseph College (Autonomous), Trichy , was the Resource person. Dr. S. Sudha, Vice-Principal and Head, P.G. and Research Department of Computer Science and Department of Data Science, Presided over the programme.

The primary objective of the lecture was to educate participants about modern software engineering practices and methodologies, highlight emerging trends and technologies in software development, provide practical insights into real-world applications of software engineering principles and foster interaction between industry experts and academia.

Dr. A. Aloysius, the resource person, delivered an engaging lecture by giving introduction to Modern Software Engineering, and overview of traditional vs. modern approaches. He added the Importance of Agile and DevOps Methodologies and implementation in contemporary software development.

He insisted the best practices and tools of Software Testing and Quality Assurance and also explained the role in scalable software solutions for Cloud Computing and Microservices Architecture. Also extended the concept of Integration and future prospects of Artificial Intelligence and Machine Learning in Software Development.

Participants were actively encouraged to ask questions and engage in discussions, fostering a collaborative learning environment.

The guest lecture on "Modern Software Engineering" successfully achieved its objectives by providing participants with a comprehensive understanding of the latest trends and methodologies in software development.

The programme concluded with a formal vote of thanks delivered by Ms. N. Harini of III B.Sc. Computer Science expressing gratitude to the guest speaker and all participants for making the session informative and successful. Earlier Ms. M. Ragavi of III B.Sc. computer Science welcomed the gathering and Ms. R.Asrinbanu of III B.Sc. Computer Science mastered the entire lecture programme. The programme ended with National anthem and it was a success with the utmost cooperation and support of the faculty of the Department.